



Permeable Solutionz





Permeable Paving



Sustainable Control Of Urban Storm Water Pollution

The volume of storm water being diverted to outfall is increasingly burdening our current storm water infrastructure. Contamination of this water adversely affects our environment worldwide.

Providing a long term, sustainable solution to properly managing water run-off and water pollutants, will ensure a sustainable future.

Permeable Solutionz provides a unique and economical solution through our porous, New Zealand natural stone paving that allows rainwater to flow through the body of the paver, thus reducing stormwater pollution, outflow and soil rehydration. They filter 100% of gross pollutants from storm water run-off while providing a strong and durable surface required by our urban way of life.



Permeable Solutionz pavers have an extremely high permeability rate, i.e. water flows through the body of the paver at a rate of no less than 30 litres/m² per second.

The pavers are suitable for vehicular and pedestrian traffic (specific sizes apply), for residential or commercial use, including carparks, driveways, pathways or patios; in fact anywhere that stormwater may collect. Our tree pit design offers a growth adjustable and servicable solution to increase water absorption to tree roots. Our cesspit filters prevent gross pollutants from entering the stormwater system.



Application

The pavers are easily laid; bedded in gravel and butt jointed, providing the substrate is sound (substrate requirements are site specific).

The permeable pavers may be used in conjunction with other traditional impervious surfaces, and may still be classified by Councils as permeable.

Our exceptionally high levels of porosity, which are generally unaffected by gradient, will slow and dissipate the water captured from surrounding impervious surfaces.

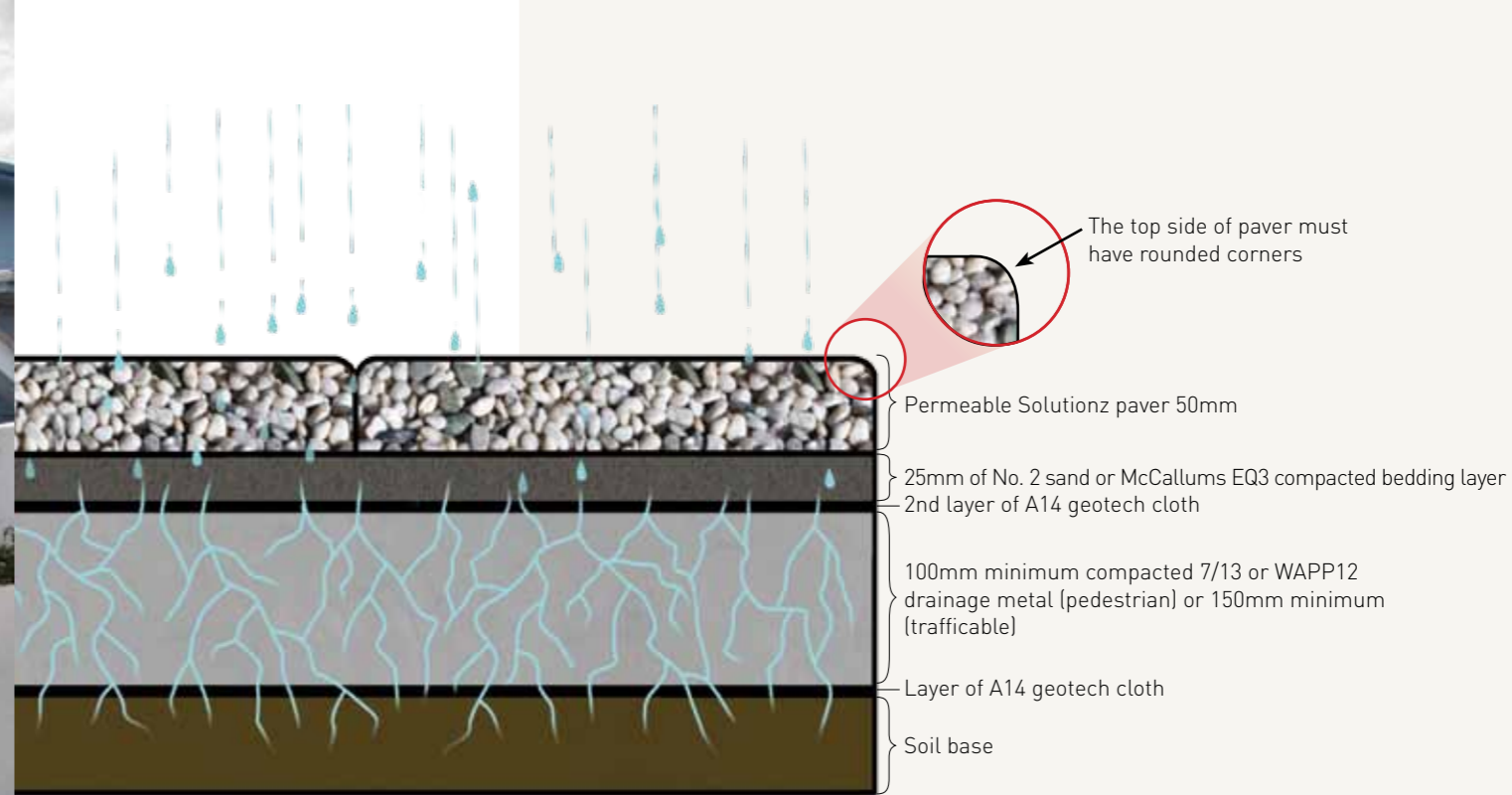
Base Set-Up Guidelines

Installation steps:

- Planning of area and layout
- Excavation and preparation of soil base
- Construct edge restraints for perimeter of paved area
- Lay separation layer of geotech cloth (A14 for patios; A19 for driveways; must have 300mm overlap on all joints)
- Spread and compact drainage metal as below (no fines)
- Non-Trafficable Areas: Minimum of 100mm of compacted 7/13 or WAPP12 drainage metal
- Trafficable areas: Minimum of 150mm of compacted 7/13 or WAPP12 drainage metal
- 2nd layer of geotech cloth (must have 300mm overlap on all joints)
- Place 25mm of No.2 sand or McCallums EQ3 as bedding layer
- Lay pavers butt-jointed, in a stretcher-bond style, i.e. not stacked
- Pavers to be laid top side up; (the top of the paver has a rounded edge)
- Pavers may be cut with a diamond bladed wet saw if necessary
- Compact pavers with a protective mat over vibrator (e.g. carpet)



In-situ pour

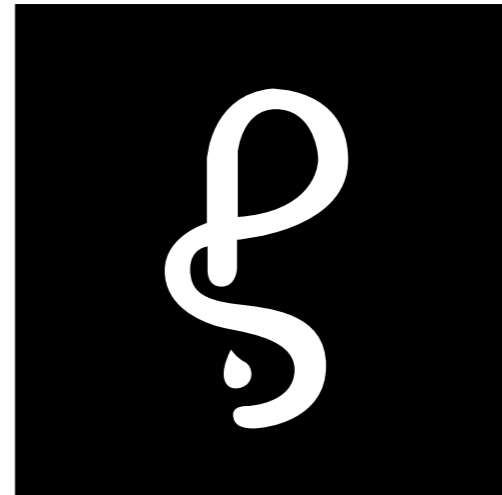


Rain Flow Diagram

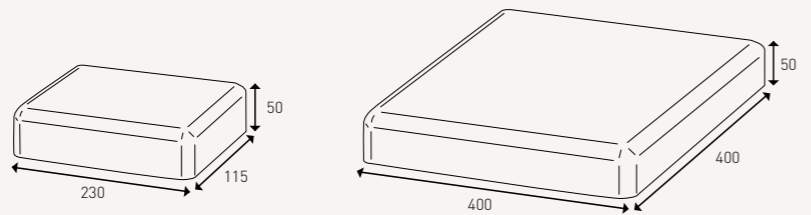
Permeable Solutionz pavers keep all gross pollutants above ground while allowing the water to pass through to the earth aquifer.



Puketutu



Winton Gold



Sizes: 230 x 115 x 50mm (trafficable). For coverage of 1m², please multiply by 37.8 bricks.
400 x 400 x 50mm (pedestrian traffic only). For coverage of 1m², please multiply by 6.25 pavers.

Tolerances: Pavers are uniform in size, with no shrinkage in the manufacturing process.
UV resistant; can be cut with a continuous wet saw blade.



Southcape



Egmont Sand



Ashhurst*

Specifications



Permeable Solution**nz**

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